

Patent Abstracts of Japan

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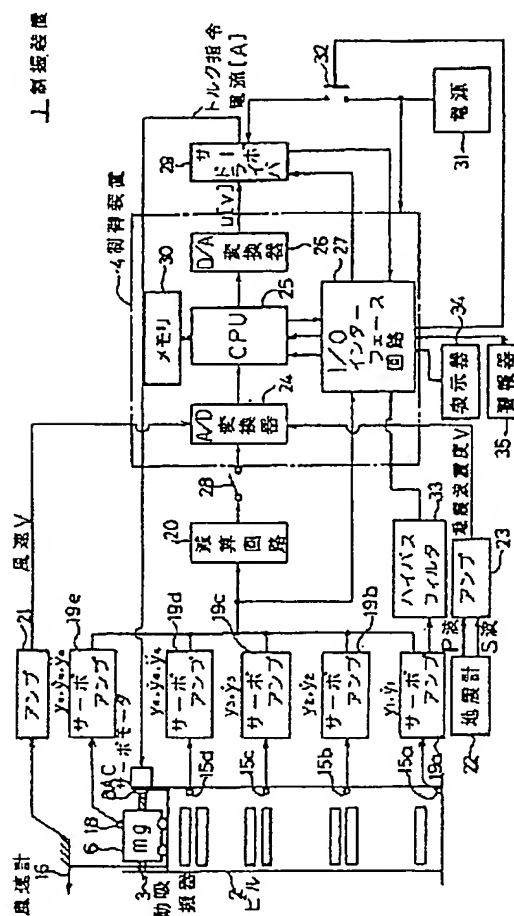
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APPLICANT : TOKICO LTD:

INVENTOR : FUKUI KOJI;

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TITLE : VIBRATION CONTROL DEVICE



ABSTRACT : PURPOSE: To carry out vibration control adaptable for a wind pressure or an earthquake.

CONSTITUTION: A control device 4 receives a detection signal having a frequency higher than the secondary inherent frequency of a building 2, that is obtained from a detection signal indicating a displacement of the building 2 at the ground surface level, which is detected by a sensor 15a, and that is transmitted through a servo amplifier 19a and a high-pass filter 3. With the result of the analysis of the detection signal, if it is determined that an excessively large seismic wave which cannot be controlled by a vibration control device 1, occurs, a switch 32 is turned off in order to cut off power to a servo driver 29. Accordingly, an added mass 6 is braked by an electromagnetic brake, and is therefore stopped.

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